

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the Application.

Listing of Claims:

1-8. (Canceled)

9. (Currently Amended) An aerodynamic wing comprising an inflatable leading edge strut, at least one inflatable rib strut, an air pathway connection and a valve mechanism, wherein the air pathway connection allows air flow between the leading edge strut and a rib strut and wherein the valve mechanism has a first configuration that permits air flow from the leading edge strut to a rib strut and a second configuration that prevents air flow from the rib strut to the leading edge strut, such that the second configuration prevents air flow from the rib strut to the leading edge strut when pressure in the rib strut is greater than pressure in the leading edge strut.

10. (Canceled)

11. (Currently Amended) The aerodynamic wing of Claim [[10]] 9, wherein the valve mechanism comprises a clamp and the air pathway connection comprises a flexible tube.

12-14. (Canceled)

15. (Currently Amended) The aerodynamic wing of Claim [[14]] 9, wherein the second configuration of the valve mechanism prevents air from traveling from the leading edge strut to the rib strut when the rib strut loses air pressure.

16-18. (Canceled)

19. (New) The aerodynamic wing of Claim 9, wherein the valve mechanism comprises a mechanical shut off valve.

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20. (New) The aerodynamic wing of Claim 9, wherein the valve mechanism comprises a one way check valve.
21. (New) The aerodynamic wing of Claim 9, wherein the air pathway connection is external.
22. (New) The aerodynamic wing of Claim 9, wherein the air pathway connection is internal.
23. (New) The aerodynamic wing of Claim 20, wherein the air pathway connection is internal.
24. (New) A method for using an aerodynamic wing comprising the steps of:
- a) providing an aerodynamic wing comprising an inflatable leading edge strut, at least one inflatable rib strut, an air pathway connection and a valve mechanism, wherein the air pathway connection allows air flow between the leading edge strut and a rib strut and wherein the valve mechanism has a first configuration that permits air flow from the leading edge strut to a rib strut and a second configuration that prevents air flow from the rib strut to the leading edge strut;
 - b) supplying air to the leading edge strut so that air travels from the leading edge into the rib strut; and
 - c) restricting air flow between the rib strut to the leading edge strut when pressure in the rib strut is greater than pressure in the leading edge strut.
25. (New) The method of Claim 24, wherein the valve mechanism comprises a mechanical shut off valve and further comprising the step of manually operating the shut off valve after supplying air to the leading edge strut, wherein manually operating the shut off valve prevents air from traveling from the rib strut to the leading edge strut.

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26. (New) The method of Claim 24, wherein the valve mechanism comprises a one way check valve which restricts air flow between the rib strut to the leading edge strut when pressure in the rib strut is greater than pressure in the leading edge strut.

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